



CBTM

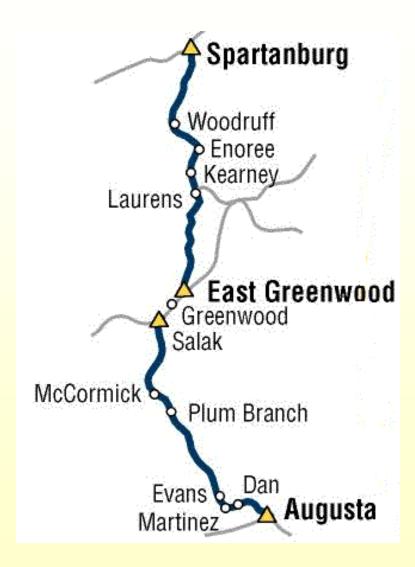
Communications Based Train Management Update

November 9, 2000

CBTM Schedule

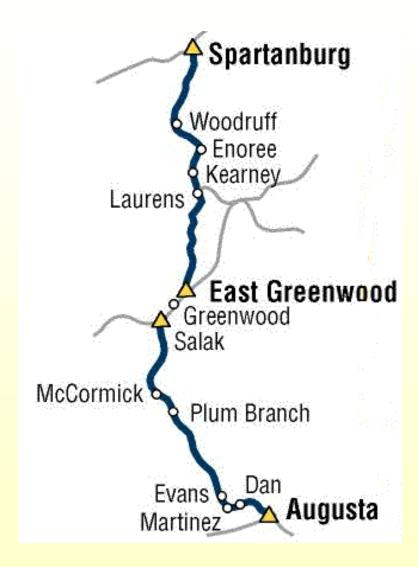
3Q/00 Crew Training

- Used Train-the-trainer approach
- Established Special Instructions
- 3Q/00 Data Gathering
 - Began July 11, 2000
 - Evaluate performance and crew acceptance
 - Determine requirements for a production system



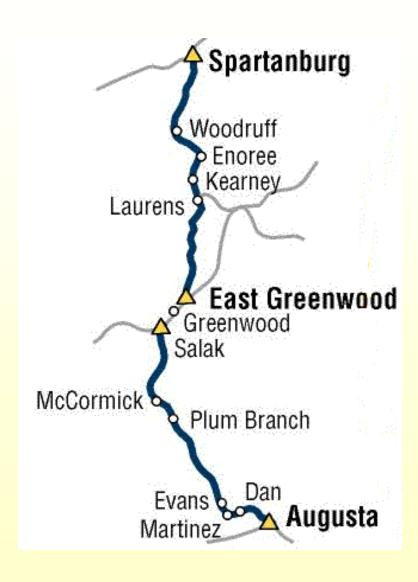
Preliminary Results

- Functionally
 - Working as designed
- Performance
 - Better than expected
 - Braking
- Crew Acceptance
 - Continues to be positive



CBTM Demonstration

- Transpired on October 11, 2000
- Representatives from FRA, other railroad, labor organizations and suppliers
- Reaction was very positive



CBTM's Future

- Violated authority warning
- Development of a Functional Specification for ABS territory
- Digital Authorities

